

What is claimed is:

1. A position calculating method of measuring reception timings of signals transmitted and received between a base station and a mobile station and calculating 5 the position of the mobile station by using the reception timings and position of the base station, comprising the steps of:

obtaining address information items necessary to specify incoming signals used for the position calculation; 10 analyzing the address information items included in the incoming signals; and

selecting incoming signals used for position calculation in accordance with a result of comparing the obtained address information items with the address 15 information items analyzed in accordance with the incoming signals.

2. The position calculating method according to claim 1, wherein

the base station; 20 measures reception timings of signals incoming from the mobile station,

analyzes the destination information and/or source information included in the incoming signals as the address information items, and

selects incoming signals used for position calculation in accordance with a result of comparing the obtained address information items with the destination information and/or source information analyzed in 5 accordance with the incoming signals.

3. The position calculating method according to claim 1, wherein

the base station;  
measures reception timings of signals incoming from 10 the mobile station,  
accumulates the incoming signals,  
analyzes the address information items included in the incoming signals, and  
selects the accumulated incoming signals by using the 15 address information items.

4. The position calculating method according to claim 3, wherein

incoming signals are selected by using the order in which the incoming signals are accumulated and the order in 20 which the address information items are analyzed and thereby relating the accumulated incoming signals with the address information items.

5. The position calculating method according to claim 3, wherein

incoming signals are selected by using the reception timings of the incoming signals and times when the address information items are analyzed and thereby relating the accumulated incoming signals with the address information 5 items.

6. The position calculating method according to claim 1, wherein

the mobile station;  
measures reception timings of signals incoming from 10 the base station,  
accumulates the incoming signals,  
analyzes the address information items included in the incoming signals, and  
selects the accumulated incoming signals by using the 15 address information items.

7. The position calculating method according to claim 6, wherein

incoming signals are selected by using the order in which the incoming signals are accumulated and the order in 20 which the address information items are analyzed and thereby relating the accumulated incoming signals with the address information items.

8. The position calculating method according to claim 6, wherein

incoming signals are selected by using reception timings of the incoming signals and times when the address information items are analyzed and thereby relating the accumulated incoming signals with the address information 5 items.

9. The position calculating method according to claim 1, wherein

the address information items use MAC addresses.

10. A receiver for receiving a signal transmitted from 10 a mobile station in order to calculate the position of the mobile station by using the reception timing and reception position of the signal transmitted from the mobile station, comprising:

reception timing measurement unitunit for measuring 15 the reception timing of the signal incoming from the mobile station;

information obtainment unitunit for obtaining the address information items necessary to specify incoming signals used for the position calculation;

20 storage unitunit for storing the incoming signals; address information analysis unitunit for analyzing the address information items included in the incoming signals; and

control unitunit for selecting incoming signals used 25 for position calculation in accordance with a result of

comparing the obtained address information items with the address information items analyzed in accordance with the incoming signals.

11. The receiver according to claim 10, wherein  
5 the information analysis unitunit analyzes the destination information and/or source information included in the incoming signals as the address information items, and

the control unitunit selects incoming signals used  
10 for position calculation in accordance with a result of comparing the obtained address information items with the destination information and/or source information analyzed in accordance with the incoming signals.

12. The receiver according to claim 10, wherein the  
15 receiver includes storage unitunit for storing the incoming signals, and

the control unitunit selects the stored incoming signals by using the analyzed address information items.

13. The receiver according to claim 12, wherein  
20 the control unitunit selects incoming signals by using the order in which the incoming signals are stored in the storage unitunit and the order in which the address information items are analyzed and thereby relating the stored incoming signals with the address information items.

25 14. The receiver according to claim 12, wherein

the control unitunit selects incoming signals by using reception timings of the incoming signals and the time when the address information items are analyzed and relating the stored incoming signals with the address information 5 items.

15. A position calculating apparatus for calculating the position of a mobile station by using reception timings and reception positions of signals transmitted and received between a base station and the mobile station, wherein 10 the address information items necessary to specify incoming signals used for the position calculation are communicated to the base station and/or mobile station.